

INFORMATION DISCLOSURE STATEMENT

Applicant : Byon, et al.
App. No. : 09/970,043
Filed : October 2, 2001
For : LOW MOLECULAR WEIGHT
POLYMANNURONATE
Examiner : Traviss C McIntosh
Group Art Unit : 1623

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing fourteen (14) references that are also enclosed.

This Information Disclosure Statement is being filed before the mailing date of a final action under 37 C.F.R. § 1.113 and before the mailing date of a Notice of Allowance under § 1.311. A certification under 37 C.F.R. § 1.97(e) is set forth below. Thus, no fee is required as set forth below in 37 C.F.R. § 1.97(c).

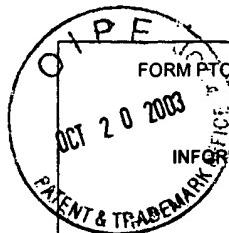
Respectfully submitted,
KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: 10/17/03

By:

A handwritten signature in black ink, appearing to read "MK".

Mincheol Kim
Registration No. 51,306
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FORM PTO-1449 OCT 20 2003 INFORMATION DISCLOSURE STATEMENT BY APPLICANT (USE SEVERAL SHEETS IF NECESSARY)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. KBPCO.001APC	APPLICATION NO. 09/970,043
		APPLICANT Byon, et al.	
		FILING DATE October 2, 2001	GROUP 1623

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE (IF APPROPRIATE)
1.		4,689,322	08/25/87	Kulbe, et al.			
2.		3,887,562	06/03/75	Cobo Barrachina			

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
3.		WO 98 51710 A	11/19/98	PCT			X
4.		WO 95 24497 A	09/14/95	PCT			X
5.		EP 0 493 265 A	07/01/92	EPO			X
6.		GB 2 325 233 A	11/18/98	Great Britain			X
7.		EP 0 506 326 A	09/30/92	EPO			X
8.		WO 91 11205 A	08/08/91	PCT			X
9.		JP 6172375 A	06/21/94	JAPAN			Abstract Only
10.		CN 1099235 A	03/01/95	CHINA			Abstract Only
11.		CN 1075864 A	09/08/93	CHINA			Abstract Only

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
12.	Ochi, et al., "A Simple Method For Preparation Of Poly-Mannuronate Using Poly-Guluronate Lyase", 1995, Biosci. Biotech. Biochem., Vol. 59, No. 8, Pages 1560-1561	
13.	Belitz, et al., "Food Chemistry, Chapter 4.4.4.2.2. Alginates-Structure, Properties", Page 285 (XP002232076)	
14.	Haug, et al., "Studies on the Swquence of Uronic Acid Residues in Alginic Acid", 1967, Acta Chem. Scand., Vol. 21, No. 3, Pages 691-704 (XP009006155)	

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081303

EXAMINER	DATE CONSIDERED
*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.	